

ROBUST SUMMARY
ALKYL SULFIDE CATEGORY
CAS # 68515-88-8
HEALTH ELEMENTS: ACUTE TOXICITY

<u>Test Substance</u>	
CAS #	CAS# 68515-88-8
Chemical Name	Pentene, 2,4,4-trimethyl-, sulfurized
Remarks	97% purity This chemical is also referred to as trimethyl pentene derivative in the HERTG's Test Plan for Alkyl Sulfide Category. For more information on the chemical, see Section 2.0 "Chemical Description of Alkyl Sulfide Category" in HERTG's Test Plan for Alkyl Sulfide Category.
<u>Method</u>	
Method/Guideline followed	Consistent with guidelines outline in OECD 401
Test Type	Acute oral toxicity
GLP (Y/N)	Y
Year (Study Performed)	1987
Species/Strain	Albino rats of the outbred Sprague-Dawley strain
Sex	Male and female
No. of animals/sex/dose	5
Vehicle	Mineral oil-based material
Route of administration	Oral gavage with a syringe and Nelaton catheter . The animals were fasted overnight before dosing.
Remarks field for test conditions	The sample was administered as supplied at a limit dose of 5.0 mg/kg. Following administration, the animals were allowed food and water for the 15-day observation period. The animals were observed three times on the day of dosing and twice on study day two and daily thereafter. Individual weights were recorded on the day of dosage and on the day of termination (day 15). The animals were euthanized by carbon dioxide at the conclusion of the observation period. Gross autopsies were performed on all animals that died during the observation period and on all survivors after day 15.
<u>Results</u>	LD50 > 5.0 gm/kg
Remarks	All animals survived to termination of the experiment (day 15). Decreased activity (3/5 females), diarrhea (1/5 males), salivation (1/5 males and 1/5 females) and apparent urinary incontinence (3/5 females) were noted following dose administration. All animals appeared normal on study days 5-15. Test material did not cause an adverse effect on mean body weight in either sex.
<u>Conclusions</u>	LD50 > 5.0 gm/kg (males and females)
<u>Data Quality</u>	Reliable without restriction (Klimisch Code)
<u>References</u>	This robust summary was prepared from an unpublished study by an individual member company of the HERTG (the underlying study contains confidential business information).
<u>Other</u>	Updated: 12-27-99